

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("6100433").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/17 07:40
L2	2	("4317938").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/17 07:42
L3	4	("4226637").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/17 07:56
L4	4	("6706931").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/17 08:58
L5	242	(568/671).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/17 09:24
L6	17	US-3676523-\$.DID. OR US-3686351-\$.DID. OR US-3737475-\$.DID. OR US-3825615-\$.DID. OR US-4020121-\$.DID. OR US-4021447-\$.DID. OR US-3702886-\$.DID. OR US-3709979-\$.DID. OR US-3832449-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/17 09:27
L7	18	US-4482531-\$.DID. OR US-3950496-\$.DID. OR US-3972983-\$.DID. OR US-4046859-\$.DID. OR US-4247416-\$.DID. OR US-4086186-\$.DID. OR US-4046854-\$.DID. OR US-4287166-\$.DID. OR US-4247728-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/17 09:28
L8	18	US-4495303-\$.DID. OR US-4397827-\$.DID. OR US-4640829-\$.DID. OR US-4568654-\$.DID. OR US-4698217-\$.DID. OR US-4647442-\$.DID. OR US-4619818-\$.DID. OR US-4954325-\$.DID. OR US-5236575-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/17 09:29
L9	11	US-3308069-\$.DID. OR US-3058805-\$.DID. OR US-3130007-\$.DID. OR US-3996337-\$.DID. OR US-4440871-\$.DID. OR US-5059567-\$.DID. OR US-3462525-\$.DID. OR US-3428654-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/17 09:30
L11	1	("RE28341").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/17 09:32

L12	16	US-3420875-\$.DID. OR US-3506580-\$.DID. OR US-3579537-\$.DID. OR US-3524864-\$.DID. OR US-5057627-\$.DID. OR US-6087311-\$.DID. OR US-6083893-\$.DID. OR US-6159920-\$.DID. OR US-6153574-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/17 09:33
L13	14	US-2778855-\$.DID. OR US-4503275-\$.DID. OR US-4317938-\$.DID. OR US-4721816-\$.DID. OR US-4721817-\$.DID. OR US-2808442-\$.DID. OR US-5912408-\$.DID. OR US-4544512-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/17 09:34
L14	6	US-3875202-\$.DID. OR US-4814514-\$.DID. OR US-4885379-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/17 10:33
L15	4	"2808442".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/17 10:33

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
1	IS&R	L1	2	("6100433").PN.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/17 07:40	
2	IS&R	L2	2	("4317938").PN.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/17 07:42	
3	IS&R	L3	4	("4226637").PN.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/17 07:56	
4	IS&R	L4	4	("6706931").PN.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/17 08:58	
5	IS&R	L5	242	(568/671).CCLS.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/17 09:24	
6	BRS	L6	17	US-3676523-\$.DID. OR US- 3686351-\$.DID. OR US- 3737475-\$.DID. OR US- 3825615-\$.DID. OR US- 4020121-\$.DID. OR US- 4021447-\$.DID. OR US- 3702886-\$.DID. OR US- 3709979-\$.DID. OR US- 3832449-\$.DID.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/17 09:27	

	Error Definition	Errors
1		
2		
3		
4		
5		
6		

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
7	BRS	L7	18	US-4482531-\$.DID. OR US- 3950496-\$.DID. OR US- 3972983-\$.DID. OR US- 4046859-\$.DID. OR US- 4247416-\$.DID. OR US- 4086186-\$.DID. OR US- 4046854-\$.DID. OR US- 4287166-\$.DID. OR US- 4247728-\$.DID.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/17 09:28	
8	BRS	L8	18	US-4495303-\$.DID. OR US- 4397827-\$.DID. OR US- 4640829-\$.DID. OR US- 4568654-\$.DID. OR US- 4698217-\$.DID. OR US- 4647442-\$.DID. OR US- 4619818-\$.DID. OR US- 4954325-\$.DID. OR US- 5236575-\$.DID.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/17 09:29	
9	BRS	L9	11	US-3308069-\$.DID. OR US- 3058805-\$.DID. OR US- 3130007-\$.DID. OR US- 3996337-\$.DID. OR US- 4440871-\$.DID. OR US- 5059567-\$.DID. OR US- 3462525-\$.DID. OR US- 3428654-\$.DID.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/17 09:30	
10	IS&R	L11	1	("RE28341").PN.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/17 09:32	
11	BRS	L12	16	US-3420875-\$.DID. OR US- 3506580-\$.DID. OR US- 3579537-\$.DID. OR US- 3524864-\$.DID. OR US- 5057627-\$.DID. OR US- 6087311-\$.DID. OR US- 6083893-\$.DID. OR US- 6159920-\$.DID. OR US- 6153574-\$.DID.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/17 09:33	
12	BRS	L13	14	US-2778855-\$.DID. OR US- 4503275-\$.DID. OR US- 4317938-\$.DID. OR US- 4721816-\$.DID. OR US- 4721817-\$.DID. OR US- 2808442-\$.DID. OR US- 5912408-\$.DID. OR US- 4544512-\$.DID.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/17 09:34	

	Error Definition	Errors
7		
8		
9		
10		
11		
12		

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
13	BRS	L14	6	US-3875202-\$.DID. OR US-4814514-\$.DID. OR US-4885379-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/17 10:33	
14	BRS	L15	4	"2808442".pn.	US-PGPUB; USPAT; EPO; JPO; DERWEN T	2004/11/17 10:33	

	Error Definition	Errors
13		
14		

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 JUL 12 BEILSTEIN enhanced with new display and select options,
resulting in a closer connection to BABS
NEWS 4 AUG 02 IFIPAT/IFIUDB/IFICDB reloaded with new search and display
fields
NEWS 5 AUG 02 CAPLUS and CA patent records enhanced with European and Japan
Patent Office Classifications
NEWS 6 AUG 02 The Analysis Edition of STN Express with Discover!
(Version 7.01 for Windows) now available
NEWS 7 AUG 27 BIOCOMMERCE: Changes and enhancements to content coverage
NEWS 8 AUG 27 BIOTECHABS/BIOTECHDS: Two new display fields added for legal
status data from INPADOC
NEWS 9 SEP 01 INPADOC: New family current-awareness alert (SDI) available
NEWS 10 SEP 01 New pricing for the Save Answers for SciFinder Wizard within
STN Express with Discover!
NEWS 11 SEP 01 New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
NEWS 12 SEP 27 STANDARDS will no longer be available on STN
NEWS 13 SEP 27 SWETSCAN will no longer be available on STN
NEWS 14 OCT 28 KOREAPAT now available on STN

NEWS EXPRESS OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

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result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 07:07:39 ON 17 NOV 2004

=> file reg

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FILE 'REGISTRY' ENTERED AT 07:07:46 ON 17 NOV 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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STRUCTURE FILE UPDATES: 15 NOV 2004 HIGHEST RN 781585-71-5
DICTIONARY FILE UPDATES: 15 NOV 2004 HIGHEST RN 781585-71-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> e 3-isopropoxypropanol/cn

E1	1	3-ISOPROPOXYPICOLINIC ACID/CN
E2	1	3-ISOPROPOXYPROP-1-YNE/CN
E3	0 -->	3-ISOPROPOXYPROPANOL/CN
E4	1	3-ISOPROPOXYPROPIONALDEHYDE/CN
E5	1	3-ISOPROPOXYPROPIONAMIDE/CN
E6	1	3-ISOPROPOXYPROPIONITRILE/CN
E7	1	3-ISOPROPOXYPROPIONYL CHLORIDE/CN
E8	1	3-ISOPROPOXYPROPYL BROMIDE/CN
E9	1	3-ISOPROPOXYPROPYLAMINE/CN
E10	1	3-ISOPROPOXYPROPYLAMINE HYDROCHLORIDE/CN
E11	1	3-ISOPROPOXYPYRIDAZINE/CN
E12	1	3-ISOPROPOXYPYRIDINE/CN

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.84	1.05

FULL ESTIMATED COST

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:09:04 ON 17 NOV 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 07:21:18 ON 17 NOV 2004
FILE 'REGISTRY' ENTERED AT 07:21:18 ON 17 NOV 2004
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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

FULL ESTIMATED COST	0.84	1.05
=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.84	1.05

FILE 'CAPLUS' ENTERED AT 07:21:32 ON 17 NOV 2004
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FILE COVERS 1907 - 17 Nov 2004 VOL 141 ISS 21
 FILE LAST UPDATED: 16 Nov 2004 (20041116/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> propylene glycol
 164280 PROPYLENE
 291 PROPYLENES
 164371 PROPYLENE
 (PROPYLENE OR PROPYLENES)
 321566 GLYCOL
 42891 GLYCOLS
 336196 GLYCOL
 (GLYCOL OR GLYCOLS)
 L1 41097 PROPYLENE GLYCOL
 (PROPYLENE(W) GLYCOL)

=> markovnikov
 1131 MARKOVNIKOV
 2 MARKOVNIKOV
 L2 1132 MARKOVNIKOV
 (MARKOVNIKOV OR MARKOVNIKOV)

=> l1 and l2
 L3 0 L1 AND L2

=> logoff hold		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	7.22	8.27

SESSION WILL BE HELD FOR 60 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 07:23:46 ON 17 NOV 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 07:27:59 ON 17 NOV 2004
FILE 'CAPLUS' ENTERED AT 07:27:59 ON 17 NOV 2004
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.22	8.27

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.22	8.27

FILE 'REGISTRY' ENTERED AT 07:28:08 ON 17 NOV 2004
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STRUCTURE FILE UPDATES: 15 NOV 2004 HIGHEST RN 781585-71-5
DICTIONARY FILE UPDATES: 15 NOV 2004 HIGHEST RN 781585-71-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

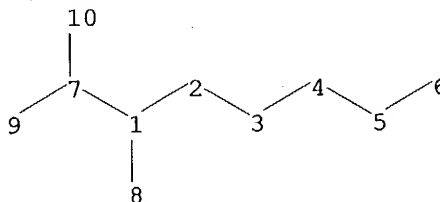
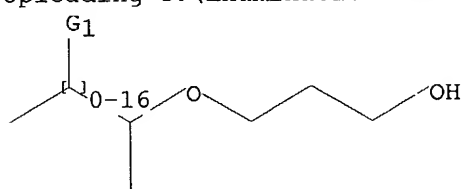
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Examination Auxillary files\10679174\10679174 clm 52.str



chain nodes :

1 2 3 4 5 6 7 8 9 10

chain bonds :

1-2 1-7 1-8 2-3 3-4 4-5 5-6 7-9 7-10

exact/norm bonds :

1-2 2-3 5-6 7-10

exact bonds :

1-7 1-8 3-4 4-5 7-9

G1:C,H

Match level :

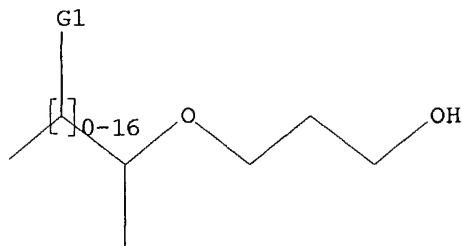
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS

L4 STRUCTURE UPLOADED

=> d 14

L4 HAS NO ANSWERS

L4 STR



G1 C,H

Structure attributes must be viewed using STN Express query preparation.

=> search 14 sss sam

SAMPLE SEARCH INITIATED 07:29:02 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 15796 TO ITERATE

6.3% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

50 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 308395 TO 323445
PROJECTED ANSWERS: 16808 TO 20470

L5 50 SEA SSS SAM L4

=> d scan

L5 50 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN

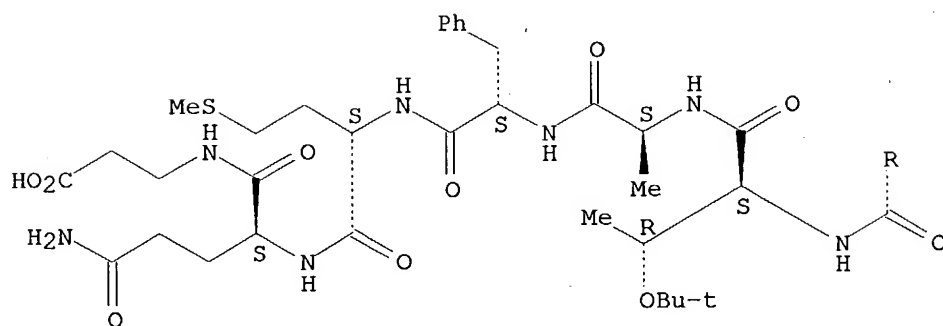
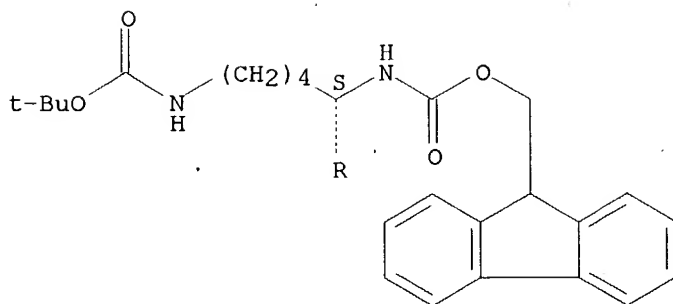
IN β -Alanine, N-[N2-[N-[N-[N-[N6-[(1,1-dimethylethoxy)carbonyl]-N2-
[(9H-fluoren-9-ylmethoxy)carbonyl]-L-lysyl]-O-(1,1-dimethylethyl)-L-
threonyl]-L-alanyl]-L-phenylalanyl]-L-methionyl]-L-glutaminyl]- (9CI)

SQL 7

MF C59 H83 N9 O14 S

RELATED SEQUENCES AVAILABLE WITH SEQLINK

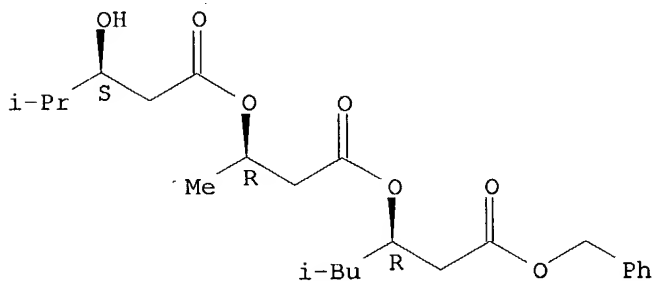
Absolute stereochemistry.



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L5 50 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN Hexanoic acid, 3-[(3R)-3-[[[(3S)-3-hydroxy-4-methyl-1-oxopentyl]oxy]-1-oxobutoxy]-5-methyl-, phenylmethyl ester, (3R)- (9CI)
 MF C24 H36 O7

Absolute stereochemistry. Rotation (-).



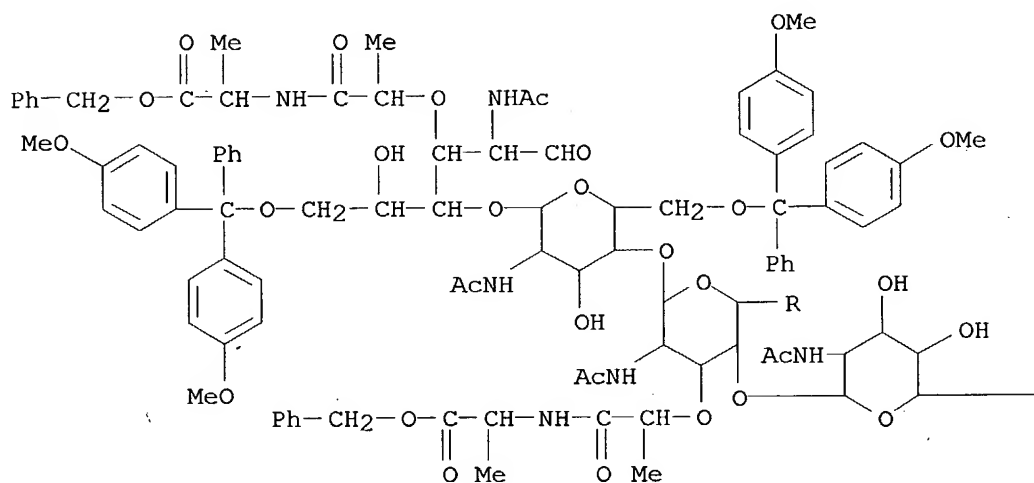
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 50 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN L-Alanine, N-[O-2-(acetylamino)-6-O-[bis(4-methoxyphenyl)phenylmethyl]-2-

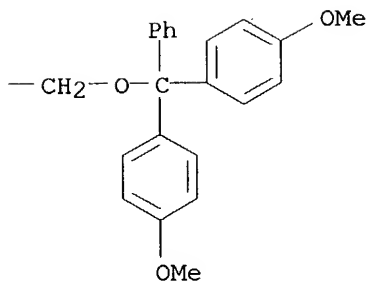
deoxy-β-D-glucopyranosyl-(1→4)-O-[N2-acetyl-6-O-[bis(4-methoxyphenyl)phenylmethyl]-N8-[1-methyl-2-oxo-2-(phenylmethoxy)ethyl]-β-muramamidosyl]-(1→4)-O-2-(acetylamino)-6-O-[bis(4-methoxyphenyl)phenylmethyl]-2-deoxy-β-D-glucopyranosyl-(1→4)-N-acetyl-6-O-[bis(4-methoxyphenyl)phenylmethyl]muramoyl]-, phenylmethyl ester, (S)- (9CI)

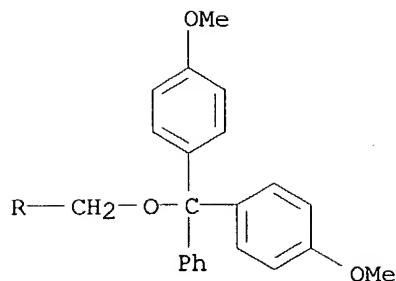
MF C142 H156 N6 O35

PAGE 1-A



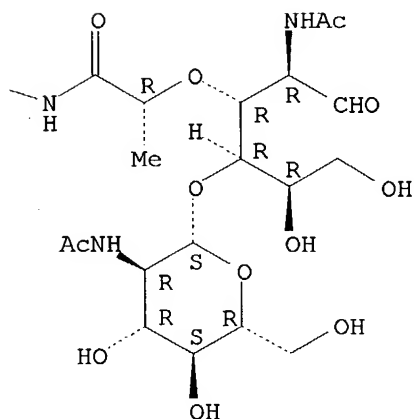
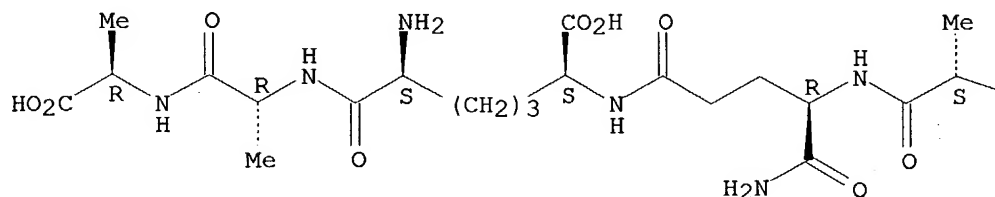
PAGE 1-B





L5 50 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN D-Alanine, N-[N-[N6-[N2-[N-[N-acetyl-4-O-[2-(acetylamino)-2-deoxy-β-D-glucopyranosyl]muramoyl]-L-alanyl]-D-α-glutaminy]- (S)-6-carboxy-L-lysyl]-D-alanyl]- (9CI)
 MF C40 H67 N9 O21

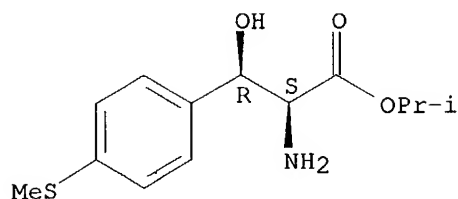
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 50 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN L-Phenylalanine, β-hydroxy-4-(methylthio)-, 1-methylethyl ester, (βR)- (9CI)
 MF C13 H19 N O3 S

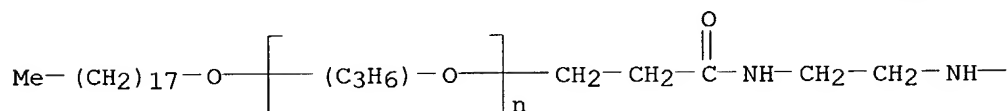
Absolute stereochemistry.



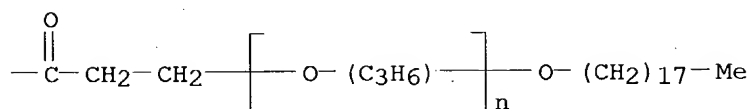
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 50 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN Poly[oxy(methyl-1,2-ethanediyl)], α, α' -[1,2-ethanediylbis[imino(3-oxo-3,1-propanediyl)]]bis[ω -(octadecyloxy)-(9CI)
 MF (C3 H6 O)_n (C3 H6 O)_n C44 H88 N2 O4
 CI IDS, PMS

PAGE 1-A

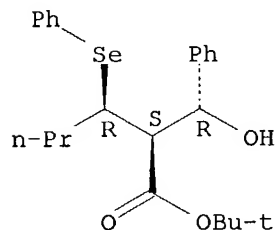


PAGE 1-B



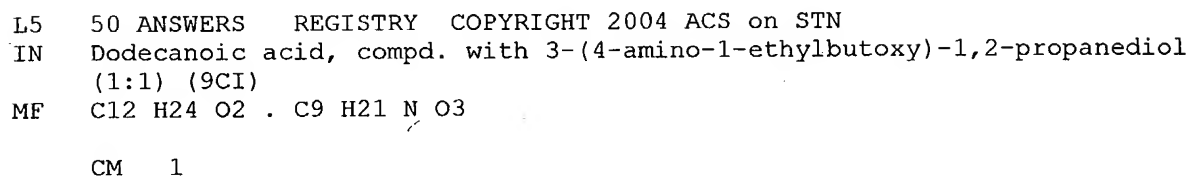
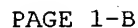
L5 50 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN Benzenepropanoic acid, β -hydroxy- α -[(1R)-1-(phenylseleno)butyl]-, 1,1-dimethylethyl ester, (α S, β R)-rel- (9CI)
 MF C23 H30 O3 Se

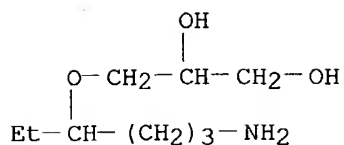
Relative stereochemistry.



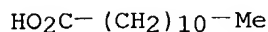
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

PAGE 1-A

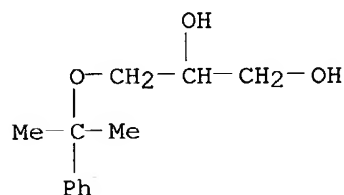




CM 2



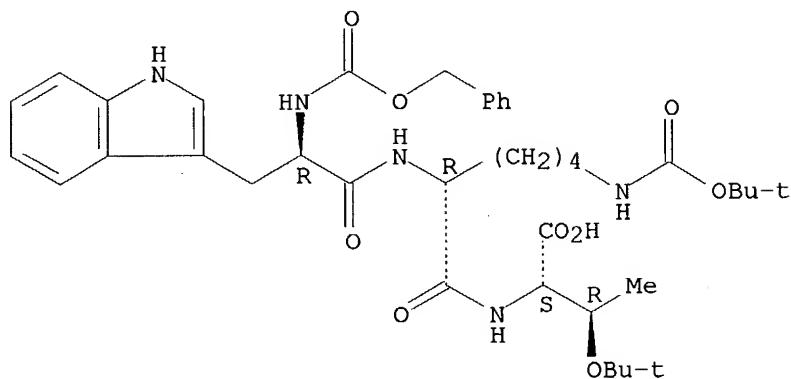
L5 50 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1,2-Propanediol, 3-(1-methyl-1-phenylethoxy)- (9CI)
 MF C12 H18 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 50 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN L-Threonine, N-[N6-[(1,1-dimethylethoxy)carbonyl]-N2-[N-
 [(phenylmethoxy)carbonyl]-D-tryptophyl]-D-lysyl]-O-(1,1-dimethylethyl)-
 (9CI)
 MF C38 H53 N5 O9

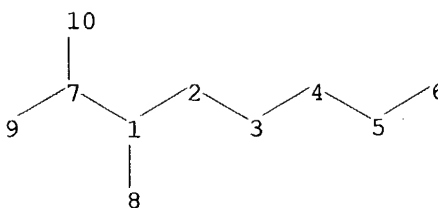
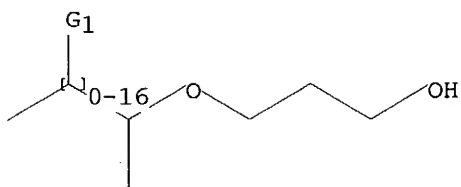
Absolute stereochemistry.



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=>

Uploading C:\Examination Auxillary files\10679174\10679174 clm 52 fixed H.str



chain nodes :

1 2 3 4 5 6 7 8 9 10

chain bonds :

1-2 1-7 1-8 2-3 3-4 4-5 5-6 7-9 7-10

exact/norm bonds :

1-2 2-3 5-6 7-10

exact bonds :

1-7 1-8 3-4 4-5 7-9

G1:C,H

Hydrogen count :

3:>= minimum 2 4:>= minimum 2 5:>= minimum 2 9:>= minimum 3

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS

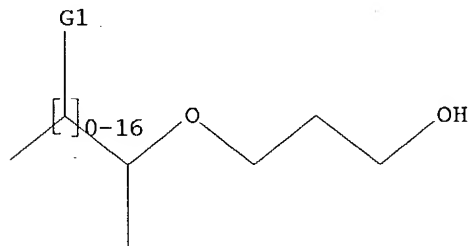
10:CLASS

L6 STRUCTURE UPLOADED

=> d 16

L6 HAS NO ANSWERS

L6 STR



G1 C,H

Structure attributes must be viewed using STN Express query preparation.

=> search 16 sss sam

SAMPLE SEARCH INITIATED 07:31:31 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 15796 TO ITERATE

6.3% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 308395 TO 323445
PROJECTED ANSWERS: 0 TO 0

L7 0 SEA SSS SAM L6

=> search 16 sss full
FULL SEARCH INITIATED 07:31:51 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 314878 TO ITERATE

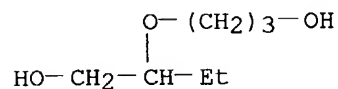
100.0% PROCESSED 314878 ITERATIONS
SEARCH TIME: 00.00.03

62 ANSWERS

L8 62 SEA SSS FUL L6

=> d scan

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Butanol, 2-(3-hydroxypropoxy)- (9CI)
MF C7 H16 O3

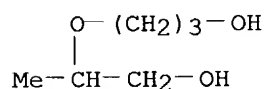


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

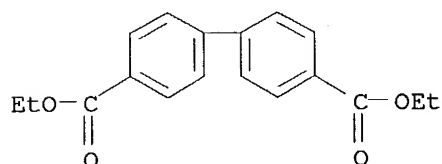
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN [1,1'-Biphenyl]-4,4'-dicarboxylic acid, diethyl ester, polymer with
2-(3-hydroxypropoxy)-1-propanol (9CI)
MF (C18 H18 O4 . C6 H14 O3)x
CI PMS

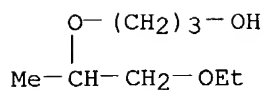
CM 1



CM 2

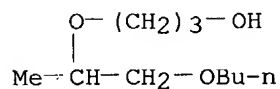


L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-(2-ethoxy-1-methylethoxy)- (9CI)
MF C8 H18 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

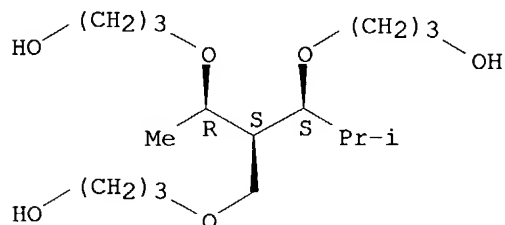
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-(2-butoxy-1-methylethoxy)- (9CI)
 MF C10 H22 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

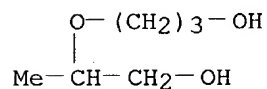
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3,3'-[[2-[1-(3-hydroxypropoxy)ethyl]-1-(1-methylethyl)-1,3-propanediyl]bis(oxy)]bis-, [1S-[1R*,2R*(S*)]]- (9CI)
 MF C17 H36 O6

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

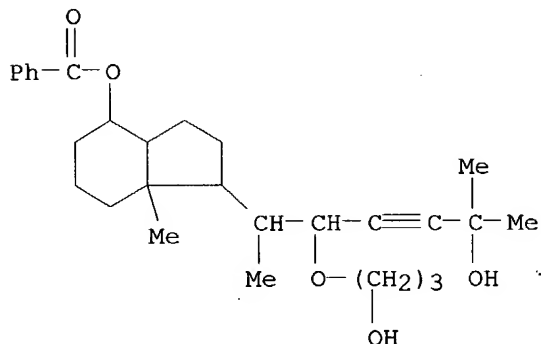
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 2-(3-hydroxypropoxy)- (9CI)
 MF C6 H14 O3
 CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN

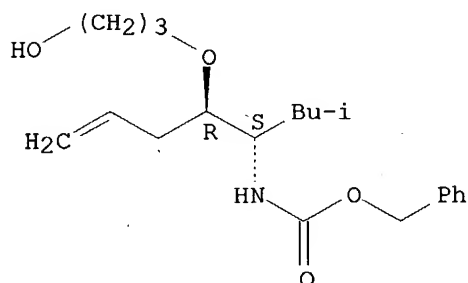
IN 1H-Inden-4-ol, octahydro-1-[5-hydroxy-2-(3-hydroxypropoxy)-1,5-dimethyl-3-hexynyl]-7a-methyl-, 4-benzoate, [1R-[1 α (1S*,2S*),3 $\alpha\beta$,4 α ,7 $\alpha\alpha$]]- (9CI)
 MF C28 H40 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

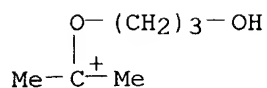
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN Carbamic acid, [2-(3-hydroxypropoxy)-1-(2-methylpropyl)-4-pentenyl]-, phenylmethyl ester, [R-(R*,S*)]- (9CI)
 MF C20 H31 N O4

Absolute stereochemistry.



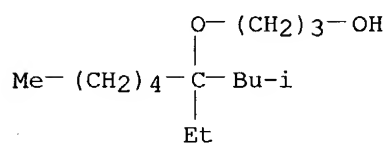
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN Ethylium, 1-(3-hydroxypropoxy)-1-methyl-, conjugate monoacid (9CI)
 MF C6 H13 O2 . H



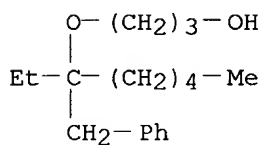
● H⁺

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-[[1-ethyl-1-(2-methylpropyl)hexyl]oxy]- (9CI)
 MF C15 H32 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

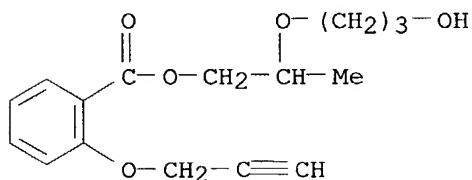
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-[[1-ethyl-1-(phenylmethyl)hexyl]oxy]- (9CI)
 MF C18 H30 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN Benzoic acid, o-(2-propynyloxy)-, 2-(3-hydroxypropoxy)propyl ester (8CI)
 MF C16 H20 O5

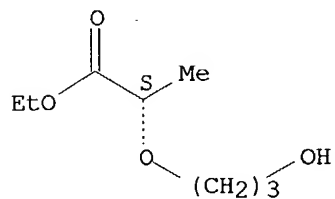


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN

IN Propanoic acid, 2-(3-hydroxypropoxy)-, ethyl ester, (2S)- (9CI)
MF C8 H16 O4

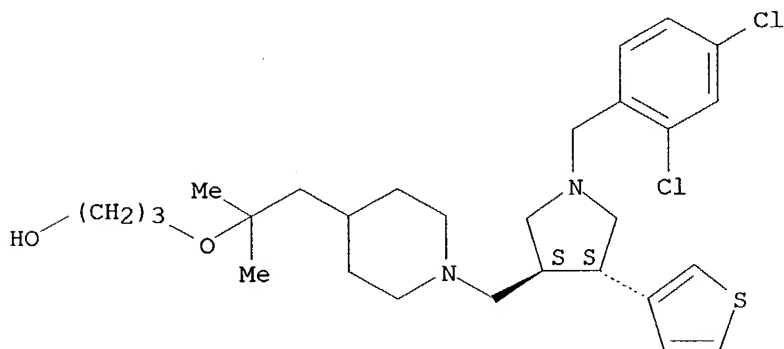
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-[2-[1-[(3S,4S)-1-[(2,4-dichlorophenyl)methyl]-4-(3-thienyl)-3-pyrrolidinyl)methyl]-4-piperidinyl]-1,1-dimethylethoxy]- (9CI)
MF C28 H40 Cl2 N2 O2 S

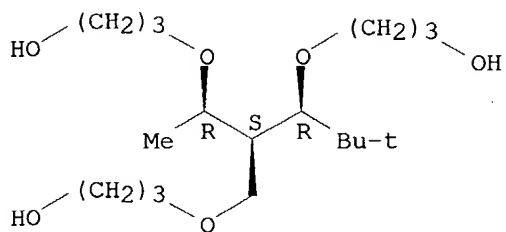
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

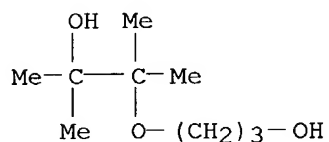
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3,3'-[[1-(1,1-dimethylethyl)-2-[1-(3-hydroxypropoxy)ethyl]-1,3-propanediyl]bis(oxy)]bis-, [1R-[1R*,2S*(R*)]]- (9CI)
MF C18 H38 O6

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

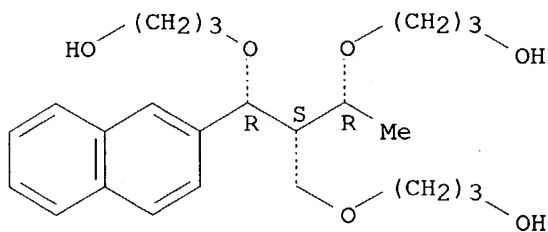
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 2-Butanol, 3-(3-hydroxypropoxy)-2,3-dimethyl- (9CI)
 MF C9 H20 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3,3'-[[2-[1-(3-hydroxypropoxy)ethyl]-1-(2-naphthalenyl)-1,3-propanediyl]bis(oxy)]bis-, [1R-[1R*,2S*(R*)]]- (9CI)
 MF C24 H36 O6

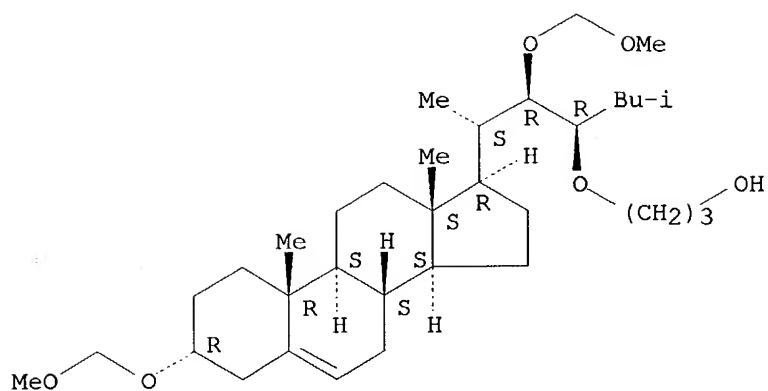
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

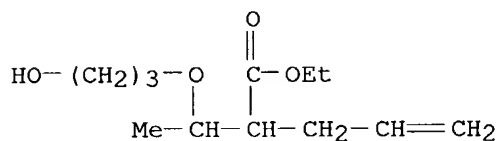
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-[[(3 α ,22R,23R)-3,22-bis(methoxymethoxy)cholest-5-en-23-yl]oxy]- (9CI)
 MF C34 H60 O6

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

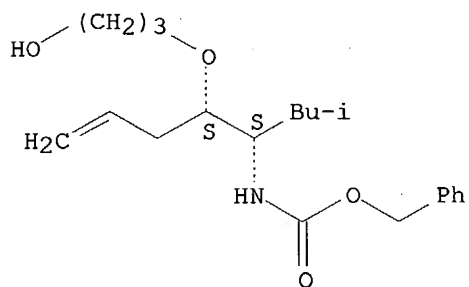
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 4-Pentenoic acid, 2-[1-(3-hydroxypropoxy)ethyl]-, ethyl ester (9CI)
 MF C12 H22 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

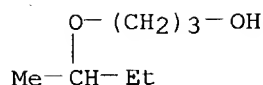
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN Carbamic acid, [2-(3-hydroxypropoxy)-1-(2-methylpropyl)-4-pentenyl]-, phenylmethyl ester, [S-(R*,R*)]- (9CI)
 MF C20 H31 N O4

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-(1-methylpropoxy)- (9CI)
 MF C7 H16 O2

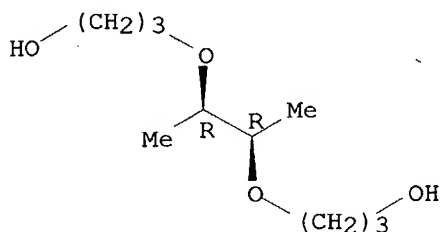


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

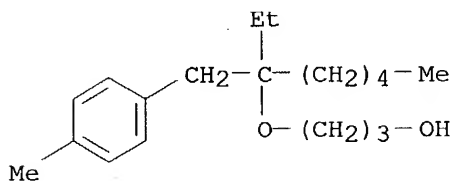
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3,3'-[(1,2-dimethyl-1,2-ethanediyl)bis(oxy)]bis-, [R-(R*,R*)]-
 (9CI)
 MF C10 H22 O4

Absolute stereochemistry.



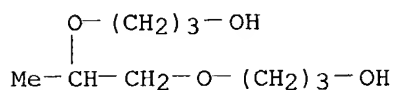
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-[[1-ethyl-1-[(4-methylphenyl)methyl]hexyl]oxy]- (9CI)
 MF C19 H32 O2



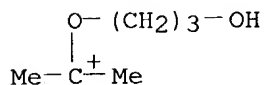
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3,3'-[(1-methyl-1,2-ethanediyl)bis(oxy)]bis- (9CI)
 MF C9 H20 O4
 CI COM



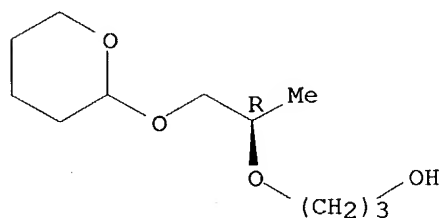
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Ethylium, 1-(3-hydroxypropoxy)-1-methyl- (9CI)
MF C6 H13 O2
CI COM



L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-[(1R)-1-methyl-2-[(tetrahydro-2H-pyran-2-yl)oxy]ethoxy]- (9CI)
MF C11 H22 O4

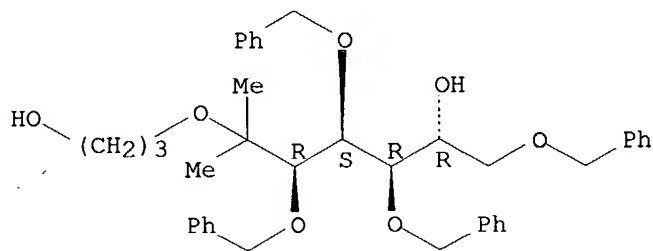
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

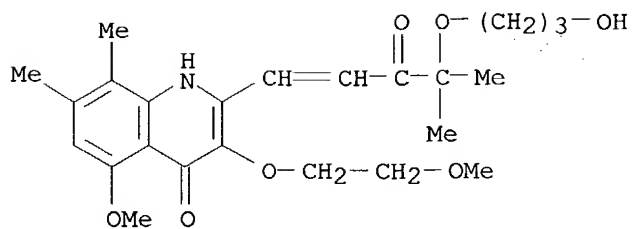
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN D-gluco-Heptitol, 1-deoxy-2-O-(3-hydroxypropyl)-2-C-methyl-3,4,5,7-tetrakis-O-(phenylmethyl)- (9CI)
MF C39 H48 O7

Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

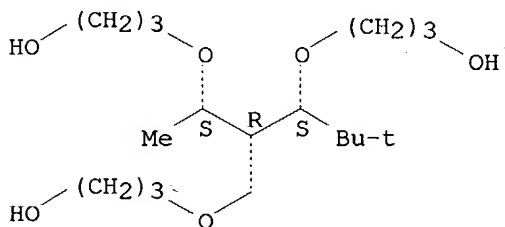
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 4(1H)-Quinolinone, 2-[4-(3-hydroxypropoxy)-4-methyl-3-oxo-1-pentenyl]-5-methoxy-3-(2-methoxyethoxy)-7,8-dimethyl- (9CI)
MF C24 H33 N O7



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

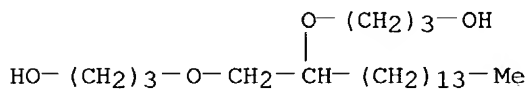
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3,3'-[[1-(1,1-dimethylethyl)-2-[1-(3-hydroxypropoxy)ethyl]-1,3-propanediyl]bis(oxy)]bis-, [1R*,2S*(R*)]- (9CI)
 MF C18 H38 O6

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

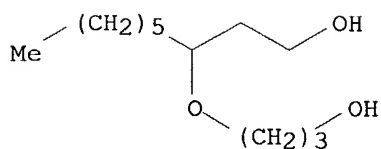
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3,3'-[(1-tetradecyl-1,2-ethanediyl)bis(oxy)]bis- (9CI)
 MF C22 H46 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

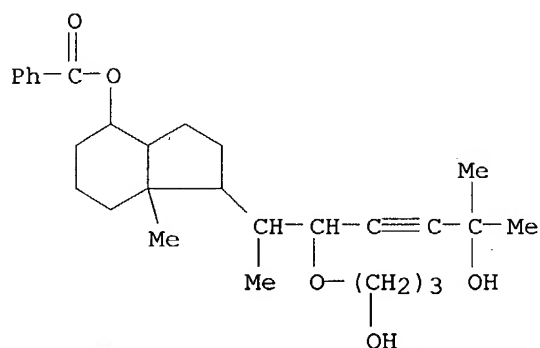
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Nonanol, 3-(3-hydroxypropoxy)-, (-)- (9CI)
 MF C12 H26 O3

Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

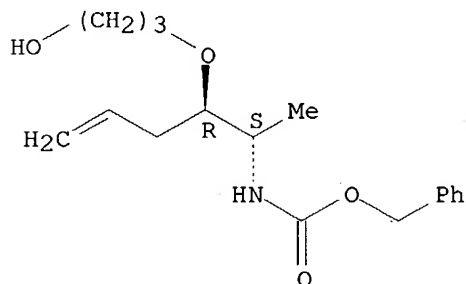
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1H-Inden-4-ol, octahydro-1-[5-hydroxy-2-(3-hydroxypropoxy)-1,5-dimethyl-3-hexynyl]-7a-methyl-, 4-benzoate, [1R-[1 α (1S*,2R*),3 $\alpha\beta$,4 α ,7 $\alpha\alpha$]]- (9CI)
 MF C28 H40 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

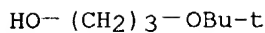
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN Carbamic acid, [2-(3-hydroxypropoxy)-1-methyl-4-pentenyl]-, phenylmethyl ester, [R-(R*,S*)]- (9CI)
 MF C17 H25 N O4

Absolute stereochemistry.



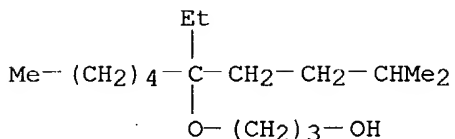
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-(1,1-dimethylethoxy)- (9CI)
 MF C7 H16 O2



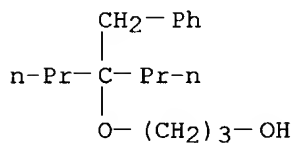
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-[[1-ethyl-1-(3-methylbutyl)hexyl]oxy]- (9CI)
 MF C16 H34 O2



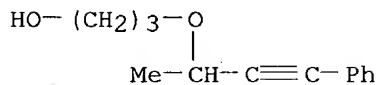
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-[1-(phenylmethyl)-1-propylbutoxy]- (9CI)
 MF C17 H28 O2



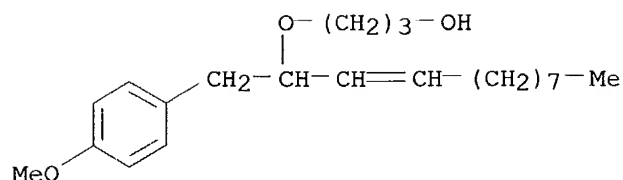
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-[(1-methyl-3-phenyl-2-propynyl)oxy]- (7CI, 8CI)
 MF C13 H16 O2



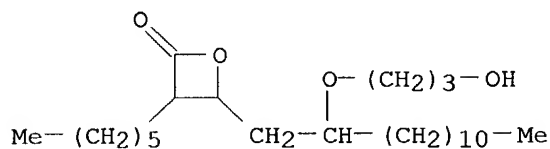
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-[[1-[(4-methoxyphenyl)methyl]-2-undecenyl]oxy]- (9CI)
 MF C22 H36 O3



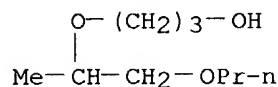
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 2-Oxetanone, 3-hexyl-4-[2-(3-hydroxypropoxy)tridecyl]- (9CI)
 MF C25 H48 O4



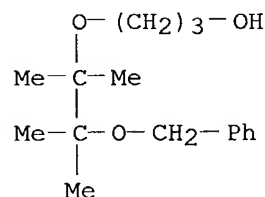
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-(1-methyl-2-propoxyethoxy)- (9CI)
 MF C9 H20 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-[1,1,2-trimethyl-2-(phenylmethoxy)propoxy]- (9CI)
 MF C16 H26 O3

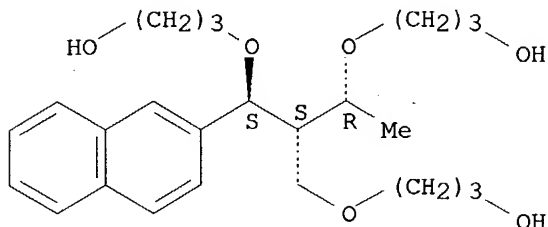


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3,3'-[[2-[1-(3-hydroxypropoxy)ethyl]-1-(2-naphthalenyl)-1,3-propanediyl]bis(oxy)]bis-, [1S-[1R*,2R*(S*)]]- (9CI)
 MF C24 H36 O6

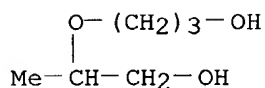
Absolute stereochemistry.



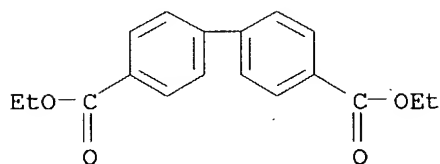
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN [1,1'-Biphenyl]-4,4'-dicarboxylic acid, diethyl ester, polymer with
 2-(3-hydroxypropoxy)-1-propanol and 2-methyl-1,4-butanediol (9CI)
 MF (C18 H18 O4 . C6 H14 O3 . C5 H12 O2)x
 CI PMS

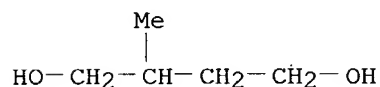
CM 1



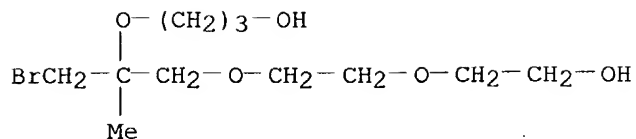
CM 2



CM 3



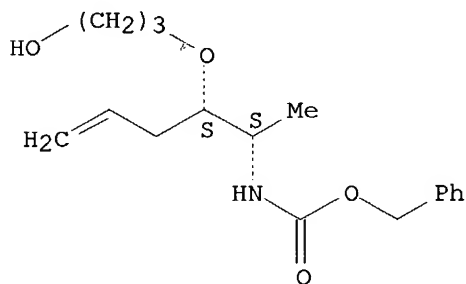
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-[2-bromo-1-[[2-(2-hydroxyethoxy)ethoxy]methyl]-1-methylethoxy]- (9CI)
 MF C11 H23 Br O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

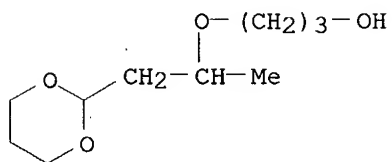
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN Carbamic acid, [2-(3-hydroxypropoxy)-1-methyl-4-pentenyl]-, phenylmethyl
 ester, [S-(R*,R*)]- (9CI)
 MF C17 H25 N O4

Absolute stereochemistry.



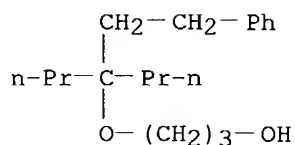
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-[2-(1,3-dioxan-2-yl)-1-methylethoxy]- (9CI)
 MF C10 H20 O4



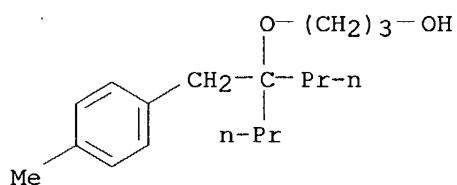
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-[1-(2-phenylethyl)-1-propylbutoxy]- (9CI)
 MF C18 H30 O2



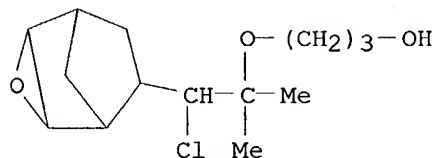
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-[1-[(4-methylphenyl)methyl]-1-propylbutoxy]- (9CI)
 MF C18 H30 O2



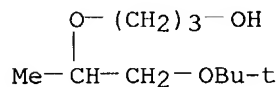
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-[2-chloro-2-(5,6-epoxy-2-norbornyl)-1,1-dimethylethoxy]- (8CI)
 MF C14 H23 Cl O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-[2-(1,1-dimethylethoxy)-1-methylethoxy]- (9CI)
 MF C10 H22 O3

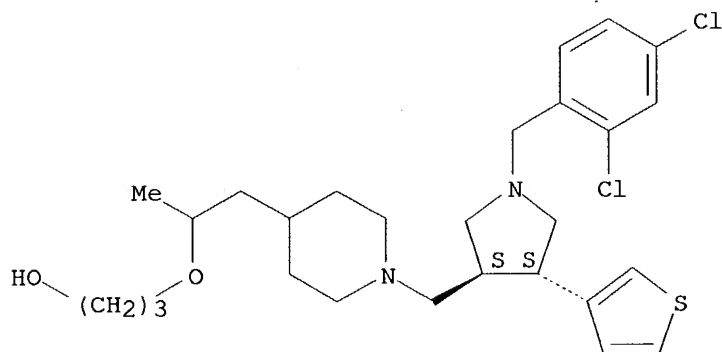


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-[2-[1-[(3S,4S)-1-[(2,4-dichlorophenyl)methyl]-4-(3-thienyl)-

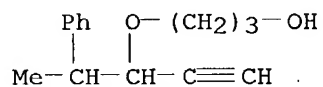
3-pyrrolidinylmethyl]-4-piperidinyl]-1-methylethoxy]- (9CI)
 MF C27 H38 Cl2 N2 O2 S

Absolute stereochemistry.



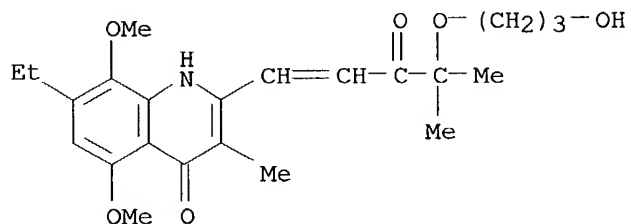
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-[[1-(1-phenylethyl)-2-propynyl]oxy]- (9CI)
 MF C14 H18 O2



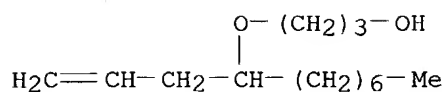
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 4(1H)-Quinolinone, 7-ethyl-2-[4-(3-hydroxypropoxy)-4-methyl-3-oxo-1-pentenyl]-5,8-dimethoxy-3-methyl- (9CI)
 MF C23 H31 N O6



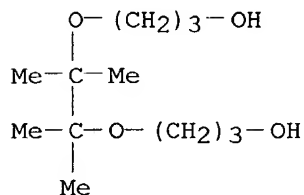
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-[[1-(2-propenyl)octyl]oxy]- (9CI)
 MF C14 H28 O2



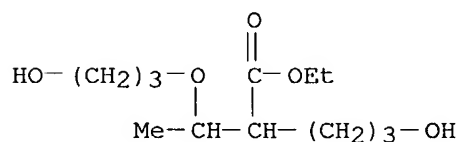
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3,3'-[(1,1,2,2-tetramethyl-1,2-ethanediyl)bis(oxy)]bis- (9CI)
 MF C12 H26 O4



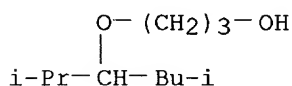
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN Pentanoic acid, 5-hydroxy-2-[1-(3-hydroxypropoxy)ethyl]-, ethyl ester (9CI)
 MF C12 H24 O5



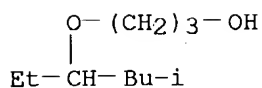
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-[3-methyl-1-(1-methylethyl)butoxy]- (9CI)
 MF C11 H24 O2



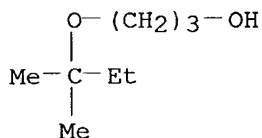
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-(1-ethyl-3-methylbutoxy)- (9CI)
 MF C10 H22 O2



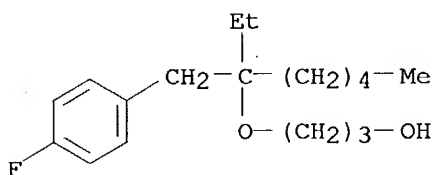
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-(1,1-dimethylpropoxy)- (9CI)
 MF C8 H18 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

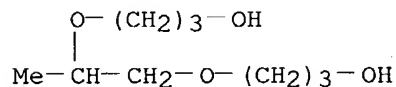
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-[[1-ethyl-1-[(4-fluorophenyl)methyl]hexyl]oxy]- (9CI)
 MF C18 H29 F O2



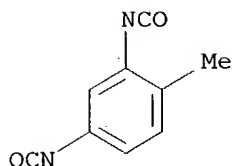
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3,3'-[(1-methyl-1,2-ethanediyl)bis(oxy)]bis-, polymer with
 2,4-diisocyanato-1-methylbenzene (9CI)
 MF (C9 H20 O4 . C9 H6 N2 O2)x
 CI PMS

CM 1



CM 2



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN 1-Propanol, 3-(1-methylethoxy)- (9CI)
 MF C6 H14 O2

HO-(CH₂)₃-OPr-i

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> e 1-Propanol, 3-(1-methylpropoxy)-/cn

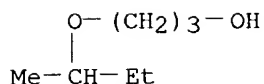
E1	1	1-PROPANOL, 3-(1-METHYLETHOXY)-2-(PHENYLTHIO)-, ACETATE/CN
E2	1	1-PROPANOL, 3-(1-METHYLETHOXY)-2-PROPOXY-/CN
E3	1 -->	1-PROPANOL, 3-(1-METHYLPROPOXY)-/CN
E4	1	1-PROPANOL, 3-(1-METHYLPROPOXY)-2,2-BIS((1-METHYLPROPOXY)METHYL)-/CN
E5	1	1-PROPANOL, 3-(1-NAPHTHALENYLAMINO)-/CN
E6	1	1-PROPANOL, 3-(1-NAPHTHALENYLAMINO)-, HYDROCHLORIDE/CN
E7	1	1-PROPANOL, 3-(1-NAPHTHALENYLOXY)-/CN
E8	1	1-PROPANOL, 3-(1-NAPHTHALENYLOXY)-, 4-METHYLBENZENESULFONATE/CN
E9	1	1-PROPANOL, 3-(1-NAPHTHALENYLOXY)-, METHANESULFONATE/CN
E10	1	1-PROPANOL, 3-(1-NAPHTHALENYLOXY)-2-((TETRAHYDRO-2H-PYRAN-2-YL)OXY)-, 4-METHYLBENZENESULFONATE/CN
E11	1	1-PROPANOL, 3-(1-NAPHTHALENYLPHENYL(PHENYLMETHYL)SILYL)-/CN
E12	1	1-PROPANOL, 3-(1-NAPHTHALENYLPHENYL(PHENYLMETHYL)SILYL)-, (-)/CN

=> e3

L9 1 "1-PROPANOL, 3-(1-METHYLPROPOXY)-"/CN

=> d 19

L9 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 99762-74-0 REGISTRY
 CN **1-Propanol, 3-(1-methylpropoxy)- (9CI)** (CA INDEX NAME)
 FS 3D CONCORD
 MF C7 H16 O2
 SR CA
 LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
 (*File contains numerically searchable property data)
 DT.CA Caplus document type: Journal
 RL.NP Roles from non-patents: PREP (Preparation)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

FULL ESTIMATED COST

166.24	174.51
--------	--------

FILE 'CAPLUS' ENTERED AT 07:35:04 ON 17 NOV 2004

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FILE COVERS 1907 - 17 Nov 2004 VOL 141 ISS 21

FILE LAST UPDATED: 16 Nov 2004 (20041116/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 19

L10 1 L9

=> d l10 ti fbib abs

L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

TI Reaction of 1,3-dioxacycloalkanes under the effect of diethylaluminum hydride and triethylaluminum

AN 1986:34041 CAPLUS

DN 104:34041

TI Reaction of 1,3-dioxacycloalkanes under the effect of diethylaluminum hydride and triethylaluminum

AU Volkov, A. A.; Kravets, E. Kh.; Zlotskii, S. S.; Rakhmankulov, D. L.

CS USSR

SO Zhurnal Prikladnoi Khimii (Sankt-Peterburg, Russian Federation) (1985), 58(7), 1547-52

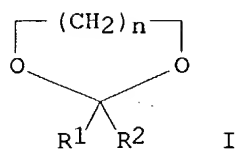
CODEN: ZPKHAB; ISSN: 0044-4618

DT Journal

LA Russian

OS CASREACT 104:34041

GI



AB Treating 1,3-dioxacyclanes I [R1 = H, R2 = Me, Me2CHCH2, Ph, Et, n = 0; R1 = H, R2 = Me2CHCH2, n = 1; R1 = Me, R2 = Et, n = 0, 1; R1R2 = (CH2)4, n = 0, 1] with Et2AlH in kerosene gave R1R2CHOCH2(CH2)nCH2OH. Similarly, I [R1 = H, R2 = Me, Ph, n = 0; R1 = H, R2 = Me2CHCH2, n = 0, 1; R1 = Me, R2 = Et, n = 0, 1; R1R2 = (CH2)4, n = 0, 1] and Et3Al gave EtCR1R2OCH2(CH2)nCH2OH.

=> l8/prep

```

          74 L8
      3224013 PREP/RL
L11          46 L8/PREP
              (L8 (L) PREP/RL)

```

=> save temp l11 alcohols/a

ANSWER SET L11 HAS BEEN SAVED AS 'ALCOHOLS/A'

=> acid catalyzed

```

      3900475 ACID
      1453673 ACIDS
      4372451 ACID
              (ACID OR ACIDS)
      218052 CATALYZED
              1 CATALYZEDS
      218052 CATALYZED
              (CATALYZED OR CATALYZEDS)
L12      23371 ACID CATALYZED
              (ACID(W) CATALYZED)

```

=> l11 and l12

```

L13          0 L11 AND L12

```

=> alkene or olefin

```

      32060 ALKENE
      77481 ALKENES
      88809 ALKENE
              (ALKENE OR ALKENES)
      92934 OLEFIN
      97151 OLEFINS
      145984 OLEFIN
              (OLEFIN OR OLEFINS)
L14      196418 ALKENE OR OLEFIN

```

=> l11 and l14

```

L15          3 L11 AND L14

```

=> d l15 1-3 ti

L15 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

TI Tuning Reactivity and Chemoselectivity in Electron Transfer Initiated Cyclization Reactions: Applications to Carbon-Carbon Bond Formation

L15 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

TI Tandem Cyclization of Alkynylmetals Bearing a Remote Leaving Group via

Cycloalkylidene Carbenes

L15 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
TI Tetrahydrofuran

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	14.78	189.29

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.70	-0.70

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:38:10 ON 17 NOV 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 07:43:53 ON 17 NOV 2004
FILE 'CAPLUS' ENTERED AT 07:43:53 ON 17 NOV 2004
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	14.78	189.29

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.70	-0.70

=> d his

(FILE 'HOME' ENTERED AT 07:07:39 ON 17 NOV 2004)

FILE 'REGISTRY' ENTERED AT 07:07:46 ON 17 NOV 2004
E 3-ISOPROPOXYPROPANOL/CN

FILE 'CAPLUS' ENTERED AT 07:21:32 ON 17 NOV 2004

L1 41097 PROPYLENE GLYCOL
L2 1132 MARKOVNIKOV
L3 0 L1 AND L2

FILE 'REGISTRY' ENTERED AT 07:28:08 ON 17 NOV 2004

L4 STRUCTURE UPLOADED
L5 50 SEARCH L4 SSS SAM
L6 STRUCTURE UPLOADED
L7 0 SEARCH L6 SSS SAM
L8 62 SEARCH L6 SSS FULL
E 1-PROPANOL, 3-(1-METHYLPROPOXY)-/CN
L9 1 E3

FILE 'CAPLUS' ENTERED AT 07:35:04 ON 17 NOV 2004

L10 1 L9
 L11 46 L8/PREP
 SAVE TEMP L11 ALCOHOLS/A
 L12 23371 ACID CATALYZED
 L13 0 L11 AND L12
 L14 196418 ALKENE OR OLEFIN
 L15 3 L11 AND L14

=> d l11 36-46 ti

L11 ANSWER 36 OF 46 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Synthesis of monoethers of glycols

 L11 ANSWER 37 OF 46 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Reaction of 1,3-dioxacycloalkanes under the effect of diethylaluminum hydride and triethylaluminum

 L11 ANSWER 38 OF 46 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Acetals and ethers - XIII. Reaction products of 2-butenal with ethylene glycol

 L11 ANSWER 39 OF 46 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Formation of stable alkoxy-carbenium and oxonium dications from 1,3-dioxanes in fluorosulfuric acid-antimony pentafluoride-sulfur dioxide

 L11 ANSWER 40 OF 46 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Tetrahydrofuran

 L11 ANSWER 41 OF 46 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Ion pairing in metal nitrate complexes of optically active crown ethers detected by circular dichroism

 L11 ANSWER 42 OF 46 CAPLUS COPYRIGHT 2004 ACS on STN
 TI ω -Aminoalkoxyalkanes

 L11 ANSWER 43 OF 46 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Physical properties of monoethers of mono- and diglycols

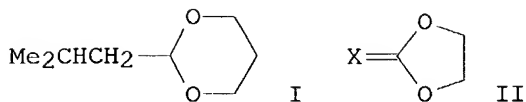
 L11 ANSWER 44 OF 46 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Scission of 1,3-dioxygen heterocycles by acetylenic magnesium bromides

 L11 ANSWER 45 OF 46 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Oxidation of bicycloheptene-5-alkenyl(alkyl)-2-carbinols

 L11 ANSWER 46 OF 46 CAPLUS COPYRIGHT 2004 ACS on STN
 TI o-(2-Propynyloxy)benzoates

=> d l11 36 ti fbib abs

L11 ANSWER 36 OF 46 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Synthesis of monoethers of glycols
 AN 1986:108974 CAPLUS
 DN 104:108974
 TI Synthesis of monoethers of glycols
 AU Volkov, A. A.; Zlotskii, S. S.; Kravets, E. Kh.; Rakhmankulov, D. L.
 CS Ufimsk. Neft. Inst., Ufa, USSR
 SO Doklady Akademii Nauk SSSR (1985), 283(5), 1194-6 [Chem.]
 CODEN: DANKAS; ISSN: 0002-3264
 DT Journal
 LA Russian
 OS CASREACT 104:108974
 GI



AB Treating 1,3-dioxacyclanes I and II [$\text{X} = \text{Ph}, \text{H}; (\text{CH}_2)_4$] with Et_3Al in hexane at 73° 5-40 min gave 91-98% glycol ethers
 $\text{Me}_2\text{CHCH}_2\text{CH}_2\text{O}(\text{CH}_2)_3\text{OH}$, $\text{PhCH}_2\text{OCH}_2\text{CH}_2\text{OH}$, and $\text{ROCH}_2\text{CH}_2\text{OH}$ ($\text{R} =$ 1-ethylcyclopentyl).

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	23.38	197.89
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.40	-1.40

FILE 'REGISTRY' ENTERED AT 07:47:30 ON 17 NOV 2004
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STRUCTURE FILE UPDATES: 15 NOV 2004 HIGHEST RN 781585-71-5
 DICTIONARY FILE UPDATES: 15 NOV 2004 HIGHEST RN 781585-71-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

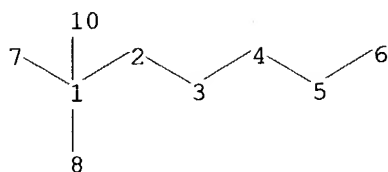
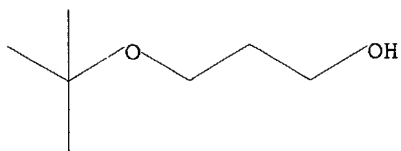
Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> e 3-tert-butoxypropanol/cn

E1	1	3-TERT-BUTOXYPHENYLMAGNESIUM CHLORIDE/CN
E2	1	3-TERT-BUTOXYPROP-1-YNE/CN
E3	0 -->	3-TERT-BUTOXYPROPANOL/CN
E4	1	3-TERT-BUTOXYPROPIONIC ACID/CN
E5	1	3-TERT-BUTOXYPROPIONITRILE/CN
E6	1	3-TERT-BUTOXYPROPYL BROMIDE/CN
E7	1	3-TERT-BUTOXYPROPYLAMINE/CN
E8	1	3-TERT-BUTOXYPROPYNE/CN
E9	1	3-TERT-BUTOXPYRIDINE/CN
E10	1	3-TERT-BUTOXYSELENOPHENE/CN
E11	1	3-TERT-BUTOXYSTYRENE HOMOPOLYMER/CN
E12	1	3-TERT-BUTOXYTHIOPHENE/CN

=>

Uploading C:\Examination Auxillary files\10679174\10679174 monotertbutyl ether.str



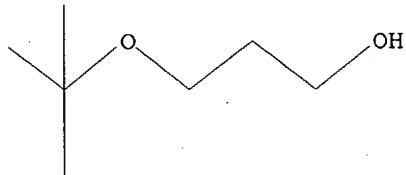
chain nodes :
 1 2 3 4 5 6 7 8 10
 chain bonds :
 1-2 1-7 1-8 1-10 2-3 3-4 4-5 5-6
 exact/norm bonds :
 1-2 2-3 5-6
 exact bonds :
 1-7 1-8 1-10 3-4 4-5

G1:C,H

Match level :
 1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 10:CLASS

L16 STRUCTURE UPLOADED

=> d l16
 L16 HAS NO ANSWERS
 L16 STR



G1 C,H

Structure attributes must be viewed using STN Express query preparation.

=> search l16 exact full
 FULL SEARCH INITIATED 07:49:27 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 31 TO ITERATE

100.0% PROCESSED 31 ITERATIONS 2 ANSWERS
 SEARCH TIME: 00.00.01

L17 2 SEA EXA FUL L16

=> d scan

L17 2 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
 IN Ethyl, 2-(1,1-dimethylethoxy)-1-(hydroxymethyl)- (9CI)
 MF C7 H15 O2

t-BuO-CH₂-CH-CH₂-OH

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L17 2 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-(1,1-dimethylethoxy)- (9CI)
MF C7 H16 O2

HO-(CH₂)₃-OBu-t

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
53.93	251.82

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-1.40

CA SUBSCRIBER PRICE

FILE 'CAPLUS' ENTERED AT 07:49:54 ON 17 NOV 2004
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FILE COVERS 1907 - 17 Nov 2004 VOL 141 ISS 21
FILE LAST UPDATED: 16 Nov 2004 (20041116/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l17/prep

6 L17
3224013 PREP/RL
L18 3 L17/PREP
(L17 (L) PREP/RL)

=> d l18 1-3 ti fbib abs

L18 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis of 3-alkoxy-1-propanol from allyl alcohol by use of metal oxide

catalysts in the liquid-phase
 AN 2003:641030 CAPLUS
 DN 140:338943
 TI Synthesis of 3-alkoxy-1-propanol from allyl alcohol by use of metal oxide catalysts in the liquid-phase
 AU Yamakawa, Tetsu; Ohkubo, Yuki; Takahashi, Ikuo; Koyama, Hiroshi
 CS Institute of Industrial Science, The University of Tokyo, Tokyo, 153-8505, Japan
 SO Studies in Surface Science and Catalysis (2003), 145(Science and Technology in Catalysis 2002), 549-550
 CODEN: SSCTDM; ISSN: 0167-2991
 PB Elsevier Science B.V.
 DT Journal
 LA English
 AB The addition of t-BuOH, allyl alc. (AA) itself, and water to the C:C double bond in AA in the liquid phase was investigated using metal oxide catalysts. Anti-Markovnikov products were obtained for each substrate.
 RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Perfluorovinyl ether compounds and resins
 AN 2000:15148 CAPLUS
 DN 132:78974
 TI Perfluorovinyl ether compounds and resins
 IN Gani, David; Akhtar, Mahmoud; Liu, Shuyuan
 PA The University Court of the University of St. Andrews, UK
 SO PCT Int. Appl., 34 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000000455	A1	20000106	WO 1999-GB1893	19990628
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
			GB 1998-13862	A 19980627
AU 9945179	A1	20000117	AU 1999-45179	19990628
			GB 1998-13862	A 19980627
			WO 1999-GB1893	W 19990628

OS MARPAT 132:78974
 AB ZXOCY:CFR' (Z = aryl, an alc. or ether precursor, or RO; R = H, CMe3, CH2Ph, silyl group, or 2-tetrahydropyranyl; X = inert spacer such as alkyl or aryl group; Y, R' = H, Cl, F, Me, or CF3) are manufactured and are useful for preparation functionalized perfluoropolymer based resins. The resins are suitable for solid-phase synthesis or combinatorial chemical. Thus, reaction of 1-tert-butoxy-2-propanol lithium salt solution in Et2O-hexane mixture at 50° and cleavage of the ether with TiCl4 in CH2Cl2 at ice-water temps. gave CF3CF:FOCHMeCH2OH.
 RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Electron spin resonance studies. Part 61. The generation and reactions of the tert-butoxyl radical in aqueous solution

AN 1981:619524 CAPLUS
 DN 95:219524
 TI Electron spin resonance studies. Part 61. The generation and reactions
 of the tert-butoxyl radical in aqueous solution
 AU Gilbert, Bruce C.; Marshall, P. David R.; Norman, Richard O. C.; Pineda,
 Nelson; Williams, Peter S.
 CS Dep. Chem., Univ. York, York, YO1 5DD, UK
 SO Journal of the Chemical Society, Perkin Transactions 2: Physical Organic
 Chemistry (1972-1999) (1981), (10), 1392-400
 CODEN: JCPKBH; ISSN: 0300-9580
 DT Journal
 LA English
 AB Me3CO• was generated in aqueous solns. from the reaction of Ti(III) and
 Me3COOH in a flow system. Although the fragmentation of Me3CO• to
 Me• and Me2CO is rapid under these conditions, competing addition
 reactions (e.g., to vinyl ethers, furan) and abstraction reactions (with
 alcs.) can be observed Me3CO• is electrophilic, but with H2C:CHCH2OH,
 unlike HO•, it undergoes abstraction, rather than addition Changes in
 the behavior of Me3CO• at low pH are due to the formation and reaction
 of Me3COH•+.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	11.23	263.05

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-2.10	-3.50

SESSION WILL BE HELD FOR 60 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 07:52:11 ON 17 NOV 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
 SESSION RESUMED IN FILE 'CAPLUS' AT 08:16:17 ON 17 NOV 2004
 FILE 'CAPLUS' ENTERED AT 08:16:17 ON 17 NOV 2004
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	11.23	263.05
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-2.10	-3.50

=> d his

(FILE 'HOME' ENTERED AT 07:07:39 ON 17 NOV 2004)

FILE 'REGISTRY' ENTERED AT 07:07:46 ON 17 NOV 2004
 E 3-ISOPROPOXYPROPANOL/CN

FILE 'CAPLUS' ENTERED AT 07:21:32 ON 17 NOV 2004
L1 41097 PROPYLENE GLYCOL
L2 1132 MARKOVNIKOV
L3 0 L1 AND L2

FILE 'REGISTRY' ENTERED AT 07:28:08 ON 17 NOV 2004
L4 STRUCTURE UPLOADED
L5 50 SEARCH L4 SSS SAM
L6 STRUCTURE UPLOADED
L7 0 SEARCH L6 SSS SAM
L8 62 SEARCH L6 SSS FULL
E 1-PROPANOL, 3-(1-METHYLPROPOXY)-/CN
L9 1 E3

FILE 'CAPLUS' ENTERED AT 07:35:04 ON 17 NOV 2004
L10 1 L9
L11 46 L8/PREP
SAVE TEMP L11 ALCOHOLS/A
L12 23371 ACID CATALYZED
L13 0 L11 AND L12
L14 196418 ALKENE OR OLEFIN
L15 3 L11 AND L14

FILE 'REGISTRY' ENTERED AT 07:47:30 ON 17 NOV 2004
E 3-TERT-BUTOXYPROPANOL/CN
L16 STRUCTURE UPLOADED
L17 2 SEARCH L16 EXACT FULL

FILE 'CAPLUS' ENTERED AT 07:49:54 ON 17 NOV 2004
L18 3 L17/PREP

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	11.67	263.49
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-2.10	-3.50

FILE 'REGISTRY' ENTERED AT 08:16:39 ON 17 NOV 2004
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provided by InfoChem.

STRUCTURE FILE UPDATES: 15 NOV 2004 HIGHEST RN 781585-71-5
DICTIONARY FILE UPDATES: 15 NOV 2004 HIGHEST RN 781585-71-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> e 1,3-propanediol/cn

E1 1 1,3-PROPANEDIMERCAPTAN/CN
E2 1 1,3-PROPANEDIOIC ACID/CN
E3 1 --> 1,3-PROPANEDIOL/CN
E4 1 1,3-PROPANEDIOL (4-HYDROXY-3-ISOPROPYL-5-METHYLBENZOATE)METH
ACRYLATE/CN
E5 1 1,3-PROPANEDIOL 2-(BENZYOXY)-, DIESTER WITH N-CARBOXYGLYCIN
E N-BENZYL ESTER/CN
E6 1 1,3-PROPANEDIOL BIS(A-(CHLOROPHENOXY)ISOBUTYRATE)/CN
E7 1 1,3-PROPANEDIOL BIS(2-CYANOACRYLATE)/CN
E8 1 1,3-PROPANEDIOL BIS(2-HYDROXYETHYL CARBONATE) DIMETHACRYLATE
POLYMER/CN
E9 1 1,3-PROPANEDIOL BIS(2-P-CHLOROPHENOXYISOBUTYRATE)/CN
E10 1 1,3-PROPANEDIOL BIS(3-(3,5-DI-TERT-BUTYL-4-HYDROXYPHENYL)PRO
PIONATE)/CN
E11 1 1,3-PROPANEDIOL BIS(3-CHLOROPROPIONATE)/CN
E12 1 1,3-PROPANEDIOL BIS(CHLOROACETATE)/CN

=> e3

L19 1 "1,3-PROPANEDIOL"/CN

=> d l19

L19 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

RN 504-63-2 REGISTRY

CN **1,3-Propanediol (8CI, 9CI)** (CA INDEX NAME)

OTHER NAMES:

CN β -Propylene glycol

CN ω -Propanediol

CN 1,3-Dihydroxypropane

CN 1,3-Propylene glycol

CN 1,3-Propylenediol

CN 2-Deoxyglycerol

CN NSC 65426

CN PG

CN Trimethylene glycol

FS 3D CONCORD

DR 757125-93-2

MF C3 H8 O2

CI COM

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS,
BIOTECHNO, CA, CANCERLIT, CAOLD, CARLUS, CASREACT, CBNB, CEN, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIPPR*,
DRUGU, EMBASE, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE,
MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA, PROMT, PS, RTECS*, SPECINFO,
SYNTHLINE, TOXCENTER, TULSA, USPAT2, USPATFULL, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

DT.CA CAplus document type: Conference; Dissertation; Journal; Patent;
Preprint; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU
(Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
(Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP
(Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
study); CMBI (Combinatorial study); FORM (Formation, nonpreparative);
MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC

(Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses);
NORL (No role in record)
RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical
study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP
(Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
reagent); USES (Uses)

HO-CH₂-CH₂-CH₂-OH

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4607 REFERENCES IN FILE CA (1907 TO DATE)
272 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
4617 REFERENCES IN FILE CAPLUS (1907 TO DATE)
4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	6.62	270.11
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-3.50

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FILE COVERS 1907 - 17 Nov 2004 VOL 141 ISS 21
FILE LAST UPDATED: 16 Nov 2004 (20041116/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 119

L20 4615 L19

=> 111 and 120

L21 5 L11 AND L20

=> d 121 1-5 ti fbib abs

L21 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
TI Process for preparation of perfluorodiacyl fluorides
AN 2004:780648 CAPLUS

DN 141:295627
 TI Process for preparation of perfluorodiacyl fluorides
 IN Wang, Shu-Zhong; Okazoe, Takashi; Murotani, Eisuke; Watanabe, Kunio;
 Shirakawa, Daisuke; Oharu, Kazuya
 PA Asahi Glass Company, Limited, Japan
 SO PCT Int. Appl., 37 pp.
 CODEN: PIXXD2
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004080940	A1	20040923	WO 2004-JP1971	20040220
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG JP 2003-44581 A 20030221				

AB This invention pertains to a method for producing perfluoro compds.
 FCO-QF-O-(CF₂)₂-COF and RBFCOF [wherein QF = -CF(CF₃)- or -CF₂CF₂-; RBF =
 fluorinated substituent], which comprises reacting HOCH₂-Q-O-(CH₂)₃-OH
 [where Q = -CH(Me)- or -CH₂CH₂-] with RBCOX [wherein RB = fluorinated
 substituent; X = halo], followed by fluorination and thermolysis. For
 example, HO(CH₂)₃O(CH₂)₃OH was reacted with FCOCF(CF₃)₂, followed by
 fluorination with F₂ and thermolysis to give FCO(CF₂)₂O(CF₂)₂COF. This
 invention provides a method to prepare perfluoro compds., which are useful
 as the raw materials in the production of various fluororesins, from
 inexpensive and easily available starting materials in fewer steps in high
 yield.

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Synthesis of 3-alkoxy-1-propanol from allyl alcohol by use of metal oxide
 catalysts in the liquid-phase
 AN 2003:641030 CAPLUS
 DN 140:338943
 TI Synthesis of 3-alkoxy-1-propanol from allyl alcohol by use of metal oxide
 catalysts in the liquid-phase
 AU Yamakawa, Tetsu; Ohkubo, Yuki; Takahashi, Ikuo; Koyama, Hiroshi
 CS Institute of Industrial Science, The University of Tokyo, Tokyo, 153-8505,
 Japan
 SO Studies in Surface Science and Catalysis (2003), 145(Science and
 Technology in Catalysis 2002), 549-550
 CODEN: SSCTDM; ISSN: 0167-2991
 PB Elsevier Science B.V.
 DT Journal
 LA English
 AB The addition of t-BuOH, allyl alc. (AA) itself, and water to the C:C double
 bond in AA in the liquid phase was investigated using metal oxide catalysts.
 Anti-Markovnikov products were obtained for each substrate.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Preparation of polyhydric alcohols having ether structures
 AN 2002:847736 CAPLUS

DN 137:352692
 TI Preparation of polyhydric alcohols having ether structures
 IN Takahara, Jun
 PA Mitsubishi Chemical Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002322113	A2	20021108	JP 2001-127301 JP 2001-127301	20010425 20010425

AB The compds. are prepared by reaction of unsatd. compds. having a (un)protected carbonyl group with polyhydric alcs. in the presence of acidic catalysts, optionally hydrolysis of the protected carbonyl group of the resulting compds. having a OH group and an ether structure, and hydrogenation to convert the carbonyl group into a OH group. Acrolein was reacted with 1,3-propanediol in the presence of ion exchanger (Amberlyst 15) and NaHCO₃ at room temperature for 3 h to give 87% 2-vinyl-1,3-dioxane, which was further treated with 1,3-propanediol in the presence of Amberlyst 15 at 80° for 3 h and hydrolyzed and hydrogenated with H in the presence of Ru/C and zeolite USY at 80° to give 4-oxaheptane-1,7-diol.

L21 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Perfluorovinyl ether compounds and resins
 AN 2000:15148 CAPLUS
 DN 132:78974
 TI Perfluorovinyl ether compounds and resins
 IN Gani, David; Akhtar, Mahmoud; Liu, Shuyuan
 PA The University Court of the University of St. Andrews, UK
 SO PCT Int. Appl., 34 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

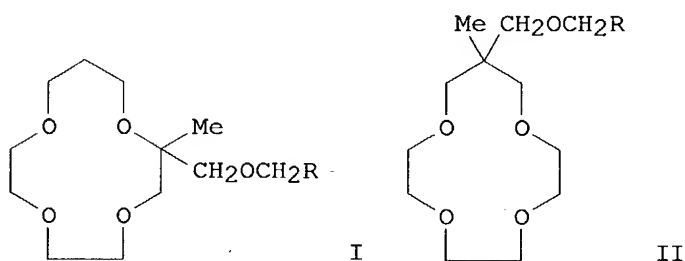
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000000455	A1	20000106	WO 1999-GB1893	19990628
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
				GB 1998-13862	A 19980627
AU 9945179	A1	20000117	AU 1999-45179		19990628
			GB 1998-13862	A 19980627	
			WO 1999-GB1893	W 19990628	

OS MARPAT 132:78974
 AB ZXOCY:CFR' (Z = aryl, an alc. or ether precursor, or RO; R = H, CMe₃, CH₂Ph, silyl group, or 2-tetrahydropyranyl; X = inert spacer such as alkyl or aryl group; Y, R' = H, Cl, F, Me, or CF₃) are manufactured and are useful for preparation functionalized perfluoropolymer based resins. The resins are suitable for solid-phase synthesis or combinatorial chemical. Thus, reaction of 1-tert-butoxy-2-propanol lithium salt solution in Et₂O-hexane mixture at 50° and cleavage of the ether with TiCl₄ in CH₂Cl₂ at ice-water temps. gave CF₃CF₂CFOCHMeCH₂OH.

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Synthesis of methyl-substituted lariat ethers containing a 13-crown-4 ring
 AN 1991:42757 CAPLUS
 DN 114:42757
 TI Synthesis of methyl-substituted lariat ethers containing a 13-crown-4 ring
 AU Wakita, Ryuhei; Yonetani, Masayuki; Nakatsuji, Yohji; Okahara, Mitsuo
 CS Fac. Eng., Osaka Univ., Osaka, 565, Japan
 SO Journal of Heterocyclic Chemistry (1990), 27(5), 1337-9
 CODEN: JHTCAD; ISSN: 0022-152X
 DT Journal
 LA English
 OS CASREACT 114:42757
 GI



AB Convenient synthetic procedures for preparing two kinds of methyl-substituted lariat ethers containing a 13-crown-4-ring, I and II [R = CH₂OMe, (CH₂)₈Me, 2-tetrahydrofuryl], are described. I were obtained from the reaction of 2-bromomethyl-2-methyl-13-crown-4 (III) with the appropriate alkoxide. III was prepared without the need for prior protection of the bromomethyl group. For the synthesis of II, which possess an electron-donating group on the central carbon of the tri-Me moiety of the 13-crown-4-ring, the substituents were introduced before cyclization.

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
15.39	285.50

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-3.50	-7.00

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 08:20:40 ON 17 NOV 2004